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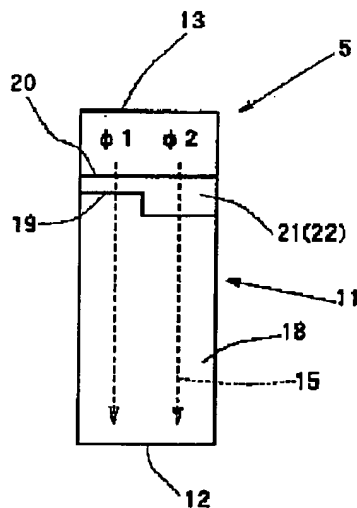
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APPLICANT : NEMIC LAMBDA KK;

INVENTOR : KAMOI KENJI;

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TITLE : CHOKE COIL FOR SUPPRESSING
HARMONIC CURRENT



ABSTRACT : PURPOSE: To miniaturize a component while satisfying the standards regarding a high-frequency current.

CONSTITUTION: A choke coil 5 for suppressing a harmonic wave comprises stepped parts 19 having different heights at the end faces as seen from the side formed at the upper ends of a main leg and a side leg 18. Gaps 21 having different space widths are provided between the parts 19 and the lower end 30 of the upper magnetic member 13. The narrower the space widths of the gaps 21 are, the less the input current of the region is preferentially saturated. Accordingly, the inductance is changed largely with a light load, the inductance is changed small with a heavy load, and hence the inductance characteristics conforming to the standards is obtained. Since the core is saturated partly from the region with smaller input current, the entire shape can be reduced.

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